2016 Soybean Top 30 Harvest Report

Minnesota South [MNSO] JEFFERS Rick Quade, Cottonwood County, MN 56083



PREV. CROP/HERB: Corn / SureStart

SOIL DESCRIPTION: Webster, Nicoollet clay loam, moderately drained, non-irrigated

SOIL CONDITIONS: Mod. High P, high K, 6.4 pH, 4.5 % OM, low SCN

TILLAGE/CULTIVATION: Conventional w/ fall till

Sonic, Warrant Ultra, Fusilade, Lorsban PEST MANAGEMENT:

SEEDED - RATE - ROW: May 18 140,200 /A 30" Spacing

Oct 14 131,000 /A HARVESTED - STAND:

Early-Season Test Maturity Group 1.6 - 2.0

S2016MNSO01a

Top 30 of 42

For Gross Income (Sorted by Yield) Average of (3) Replications

HARVESTED - STAND.	OCI 14 131	,000 /A						71701	age or (S) i	
				SCN	Seed	Yield	Moisture	Lodging	Stand	Gross
Company/Brand	Product/Brand†	Technol.†	Mat.	Resist.		* Bu/A *	%	%	(x 1000)	Income
Asgrow	AG1636 §	RR2Y	1.6	R	ACi	71.8	14.4	0	132.4	\$626
Pfister	18R201	RR2Y	1.8	R	CCB	71.4	13.9	0	130.1	\$623
Prairie Brand	PB-1956R2	RR2Y	1.9	R	CCB,In	70.5	14.6	0	132.0	\$615
NorthStar	NS 1911NR2	RR2Y	1.9	R	CMBV	70.2	13.4	0	130.1	\$614
Cornelius	CB19R71	RR2Y	1.9	R	CMBV,IL	69.8	13.7	0	130.6	\$610
Asgrow	AG1935 §	RR2Y	1.9	R	ACi	69.8	14.1	0	131.0	\$609
Mustang	19726	RR2Y	1.9	R	NCFI	69.7	14.2	0	131.5	\$608
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	CMB	69.1	14.0	0	131.5	\$603
NorthStar	NS 1661NR2	RR2Y	1.6	R	CMBV	69.0	14.5	0	134.7	\$602
Dyna-Gro	S19RY65	RR2Y	1.9	R	CCB	68.3	13.8	0	131.0	\$597
LG Seeds	C1870R2	RR2Y	1.8	R	CCB	67.6	13.8	0	131.5	\$590
Latham	L1858R2	RR2Y	1.8	R	CCB,Me	67.6	14.3	0	130.1	\$590
Stine	19RF32 §	RR2Y	1.9	R	SFI	67.4	13.9	0	132.4	\$589
NorthStar	NS 61882NXR2	RRX	1.8	R	CMBV	67.4	14.2	0	132.4	\$588
Prairie Brand	PB-1822R2	RR2Y	1.8	R	CCB,In	67.2	14.2	0	129.6	\$586
Pfister	19R24	RR2Y	1.9	R	CCB	67.2	14.3	0	133.8	\$586
Latham	E1748R2	RR2Y	1.7	R	CCB,Me	66.9	14.2	0	129.6	\$584
Prairie Brand	PB-1947R2	RR2Y	1.9	R	CCB,In	66.7	14.1	0	133.4	\$582
NorthStar	NS 1776NR2	RR2Y	1.7	R	CMBV	65.9	13.9	0	129.6	\$575
Anderson	185R2Y	RR2Y	1.8	R	None	65.9	14.2	0	131.5	\$575
Renk	RS195NR2	RR2Y	1.9	R	CMBV	65.5	13.7	0	130.1	\$572
Cornelius	CB18X97	RRX	1.8	R	ACi	65.0	14.1	0	130.1	\$567
Dyna-Gro	S17RY67	RR2Y	1.7	R	CCB	64.9	14.7	0	130.1	\$566
Latham	L1882R2	RR2Y	1.8	R	CCB,Me	64.7	14.0	0	132.9	\$565
Hefty	H17X7	RRX	1.7	MR	AM	64.6	14.3	0	128.2	\$564
NK Brand	S14-A6 §	RR2Y	1.4	MR	CCB,Me	64.4	14.8	0	133.8	\$561
Prairie Brand	PB-1787R2	RR2Y	1.7	R	CCB,In	64.2	14.2	0	129.6	\$560
Stine	17RH03 §	RR2Y	1.7	S	SFI	64.2	14.7	0	130.6	\$560
Titan Pro	TP-17X26	RRX	1.7	R	None	63.7	14.8	0	131.5	\$555
Titan Pro	TP-19X06	RRX	1.9	R	IS	63.4	14.4	0	129.2	\$553
Dahlman	5721NRR2Y CK	RR2Y	2.1	R	None	66.5	14.1	0	131.5	\$580
m 1					Averages =	65.5	14.2	0	131.0	\$572
I take	Juerna			LS	SD (0.10) =	3.9	ns	ns		
Mark Querna				LS	SD (0.25) =	2.7	ns	ns		

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3Prices = \$8.75 GMO; \$8.75 non-GMO Drying = \$0.020

C.V. =

TEST COMMENTS: A wet spring season ensured the soil profile was fully charged at the start of the growing season. Rick reports that there were a few weeks that got dry, but by July 15th, rains returned and stayed through harvest. No killing frost occurred until October 13. Aphid pressure was severe, so Rick hired a plane to spray Lorsban since it was too wet for field traffic. Plants were tall and robust at harvest.

† See last page for abbreviation descriptions. Results in **bold** are significantly above test average by LSD (0.10). **ns** = column values not significantly different.

Additional reports available at www.firstseedtests.com

Revised

mark.querna@firstseedtests.com, (507) 380-9920

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Prev. years avg. yield, 50.6 bu/a, 9 yrs

Report Date: 10/15/2016

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PEST MANAGEMENT: Sonic, Warrant Ultra, Fusilade, Lorsban

SEEDED - RATE - ROW: May 18 140,200 /A 30" Spacing

HARVESTED - STAND: Oct 14 130,900 /A

Full-Season Test Maturity Group 2.1 - 2.3

S2016MNSO01b

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For Gross Income (Sorted by Yield)

Average of (3) Replications

HARVESTED - STAND:	Oct 14 1	30,900 /A						Aver	age or (3) F	Replications
				SCN	Seed	Yield	Moisture	Lodging	Stand	Gross
Company/Brand	Product/Brand†	Technol.†	Mat.	Resist.	Trt.†	◆ Bu/A ◆	%	%	(x 1000)	Income
Cornelius	CB21X22	RRX	2.1	R	ACi	71.0	13.9	0	130.6	\$620
Dyna-Gro	S21XT77	RRX	2.1	R	ACi	70.7	14.5	0	127.8	\$617
Dairyland	DSR-2017/R2Y	RR2Y	2.0	R	CMB	70.6	15.2	0	129.2	\$615
Federal	F2170NR2X	RRX	2.1	R	None	70.0	14.0	0	132.0	\$611
Renk	RS207NX	RRX	2.0	R	CMBV	69.7	14.3	0	131.5	\$608
Titan Pro	TP-21X46	RRX	2.1	R	None	69.5	14.0	0	130.1	\$607
Asgrow	AG2035 §	RR2Y	2.0	R	ACi	69.3	14.5	0	132.0	\$604
Federal	F226NRR2Y	RR2Y	2.2	R	None	69.2	14.3	0	130.1	\$604
NorthStar	NS 62002NXR2	RRX	2.0	R	CMBV	68.8	13.8	0	131.0	\$601
Hefty	H20X7	RRX	2.0	MR	DST	68.4	14.0	0	128.7	\$597
LG Seeds	C2126RX	RRX	2.1	R	CCB	68.2	14.0	0	132.4	\$595
Anderson	217RXT	RRX	2.1	R	ACi	68.2	14.4	0	131.0	\$595
Latham	L2184R2X	RRX	2.1	R	SS	68.0	14.5	0	131.0	\$593
Mustang	21X127	RRX	2.1	R	ACi	68.0	14.7	0	132.4	\$593
Renk	RS213NR2	RR2Y	2.1	R	CMBV	68.0	14.7	0	130.6	\$593
Pfister	21R205	RR2Y	2.1	R	CCB	67.2	14.6	0	133.8	\$586
NK Brand	S20-T6 §	RR2Y	2.0	MR	CCB,Me	66.9	14.1	0	129.6	\$584
Viking	2055R2N	RR2Y	2.0	R	CMBV	66.9	15.1	0	131.5	\$583
Latham	L2084R2	RR2Y	2.0	R	CCB,Me	66.8	14.7	0	130.1	\$582
Titan Pro	TP-20R25	RR2Y	2.0	R	IS	66.8	14.9	0	130.6	\$582
Titan Pro	TP-21R55	RR2Y	2.1	R	IS	66.7	14.3	0	129.6	\$582
Pfister	21R201	RR2Y	2.1	R	CCB	66.6	14.3	0	132.0	\$581
Prairie Brand	PB-2024R2	RR2Y	2.1	R	CCB,In	66.6	15.2	0	130.1	\$580
Latham	L2228R2	RR2Y	2.2	R	CCB,Me	66.5	14.3	0	133.8	\$580
NK Brand	S22-S1 §	RR2Y	2.2	R	CCB,Me	66.5	14.4	0	131.0	\$580
Anderson	206R2Y	RR2Y	2.0	R	None	66.0	14.5	0	132.4	\$576
Cornelius	CB20R44	RR2Y	2.0	R	CMBV,IL	65.9	14.8	0	129.6	\$574
Pioneer	P22T69R §	RR	2.2	R	None	65.8	14.4	0	129.6	\$574
Prairie Brand	PB-2197R2	RR2Y	2.1	R	CCB,In	65.8	14.9	0	130.6	\$573
Hefty	H23X7	RRX	2.3	S	DST	65.7	14.0	0	128.2	\$574
Dahlman	5721NRR2Y CK	RR2Y	2.1	R	None	64.5	14.8	0	131.0	\$562
MIC	_				Averages =		14.5	0	130.9	\$581
That U	Luerna			LS	SD(0.10) =	3.1	8.0	ns		
Mark Querna				LS	SD(0.25) =		0.5	ns		
mark.querna@firsts	eedtests.com, (507)	380-9920			C.V. =	3.4	Prev.	years avg.	yield, 50.6	bu/a, 9 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.75 GMO; \$8.75 non-GMO

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Report Date: 10/15/2016 Revised:



2016 Soybean - Minnesota South [MNSO]

Early-Season Test Products (42 Total)

167RXT 185R2Y 187RXT AG1636 \$ AG1935 \$ CB19R71 5721NRR2Y CK DSR-1721/R2Y DSR-1870/R2Y S17RY67 S19RY65 H16X7 H17X7 H18X7 E1748R2 L1759R2X	RRX RR2Y RRX RR2Y RR2Y RR2Y RR2Y RR2Y RR	1.6 1.8 1.8 1.6 1.9 1.8 1.9 2.1 1.7 1.8 1.7	R R R R R R R	None None ACi ACi ACi CMBV,IL None CMB
187RXT AG1636 § AG1935 § CB19R71 5721NRR2Y CK DSR-1721/R2Y DSR-1870/R2Y S17RY67 S19RY65 H16X7 H17X7 H18X7 E1748R2 L1759R2X	RRX RR2Y RR2Y RRX RR2Y RR2Y RR2Y RR2Y RR	1.8 1.6 1.9 1.8 1.9 2.1 1.7 1.8 1.7	R R R R R R	None ACi ACi ACi CMBV,IL None
AG1636 § AG1935 § CB18X97 CB19R71 5721NRR2Y CK DSR-1721/R2Y DSR-1870/R2Y S17RY67 S19RY65 H16X7 H17X7 H18X7 E1748R2 L1759R2X	RR2Y RR2Y RRX RR2Y RR2Y RR2Y RR2Y RR2Y R	1.6 1.9 1.8 1.9 2.1 1.7 1.8 1.7	R R R R R	ACi ACi ACi CMBV,IL None
AG1935 § CB18X97 CB19R71 5721NRR2Y CK DSR-1721/R2Y DSR-1870/R2Y S17RY67 S19RY65 H16X7 H17X7 H18X7 E1748R2 L1759R2X	RR2Y RRX RR2Y RR2Y RR2Y RR2Y RR2Y RR2Y R	1.9 1.8 1.9 2.1 1.7 1.8 1.7	R R R R R	ACi ACi CMBV,IL None
CB18X97 CB19R71 5721NRR2Y CK DSR-1721/R2Y DSR-1870/R2Y S17RY67 S19RY65 H16X7 H17X7 H18X7 E1748R2 L1759R2X	RRX RR2Y RR2Y RR2Y RR2Y RR2Y RR2Y RR2Y R	1.8 1.9 2.1 1.7 1.8 1.7 1.9	R R R R	ACi CMBV,IL None
CB19R71 5721NRR2Y CK DSR-1721/R2Y DSR-1870/R2Y S17RY67 S19RY65 H16X7 H17X7 H18X7 E1748R2 L1759R2X	RR2Y RR2Y RR2Y RR2Y RR2Y RR2Y RR2Y RR2Y	1.9 2.1 1.7 1.8 1.7 1.9	R R R	CMBV,IL None
5721NRR2Y CK DSR-1721/R2Y DSR-1870/R2Y S17RY67 S19RY65 H16X7 H17X7 H18X7 E1748R2 L1759R2X	RR2Y RR2Y RR2Y RR2Y RR2Y RRX RRX	2.1 1.7 1.8 1.7 1.9	R R R	None
DSR-1721/R2Y DSR-1870/R2Y S17RY67 S19RY65 H16X7 H17X7 H18X7 E1748R2 L1759R2X	RR2Y RR2Y RR2Y RR2Y RR2Y RRX RRX	1.7 1.8 1.7 1.9	R R R	None
DSR-1721/R2Y DSR-1870/R2Y S17RY67 S19RY65 H16X7 H17X7 H18X7 E1748R2 L1759R2X	RR2Y RR2Y RR2Y RR2Y RRX RRX	1.7 1.8 1.7 1.9	R R	
DSR-1870/R2Y S17RY67 S19RY65 H16X7 H17X7 H18X7 E1748R2 L1759R2X	RR2Y RR2Y RR2Y RRX RRX	1.8 1.7 1.9	R	
S17RY67 S19RY65 H16X7 H17X7 H18X7 E1748R2 L1759R2X	RR2Y RR2Y RRX RRX	1.7 1.9		CMB
S19RY65 H16X7 H17X7 H18X7 E1748R2 L1759R2X	RR2Y RRX RRX	1.9	R	CCB
H16X7 H17X7 H18X7 E1748R2 L1759R2X	RRX RRX		R	CCB
H17X7 H18X7 E1748R2 L1759R2X	RRX	1.6	MR	DST
H18X7 E1748R2 L1759R2X		1.7		AM
E1748R2 L1759R2X	RRX	1.8	MR	
L1759R2X	RR2Y	1.7	R	CCB,Me
	RRX	1.7	R	CCB,Me
	RR2Y	1.8	R	CCB,Me
L1858R2 L1882R2	RR2Y	1.8	R	CCB,Me
C1870R2	RR2Y	1.8	R	CCB, IVIE
17X726	RRX	1.7	R	ACi
18X827	RRX	1.8	R	ACi
19726	RR2Y	1.9	R	NCFI
S14-A6 §	RR2Y	1.4	MR	CCB,Me
NS 1661NR2	RR2Y	1.6	R	CMBV
NS 1776NR2	RR2Y	1.7	R	CMBV
NS 1911NR2	RR2Y	1.9	R	CMBV
NS 61882NXR2	RRX	1.8	R	CMBV
18R201	RR2Y	1.8	R	CCB
19R24	RR2Y	1.9	R	CCB
PB-1787R2	RR2Y	1.7	R	CCB,In
PB-1822R2	RR2Y	1.8	R	CCB,In
PB-1947R2	RR2Y	1.9	R	CCB,In
PB-1956R2	RR2Y	1.9	R	CCB,In
			R	CMBV
				CMBV
				SFI
•				SFI
-				None
				None
				IS
				IS
	PB-1822R2 PB-1947R2	PB-1822R2 RR2Y PB-1947R2 RR2Y PB-1956R2 RR2Y RS177NX RRX RS195NR2 RR2Y 17RH03 § RR2Y 19RF32 § RR2Y TP-16X36 RRX TP-17X26 RRX TP-18R24 RR2Y	PB-1822R2 RR2Y 1.8 PB-1947R2 RR2Y 1.9 PB-1956R2 RR2Y 1.9 RS177NX RRX 1.8 RS195NR2 RR2Y 1.9 17RH03 § RR2Y 1.7 19RF32 § RR2Y 1.9 TP-16X36 RRX 1.6 TP-17X26 RRX 1.7 TP-18R24 RR2Y 1.8	PB-1822R2 RR2Y 1.8 R PB-1947R2 RR2Y 1.9 R PB-1956R2 RR2Y 1.9 R RS177NX RRX 1.8 R RS195NR2 RR2Y 1.9 R 17RH03 § RR2Y 1.7 S 19RF32 § RR2Y 1.9 R TP-16X36 RRX 1.6 R TP-17X26 RRX 1.7 R TP-18R24 RR2Y 1.8 R



2016 Soybean - Minnesota South [MNSO]

Full-Season Test Products (45 Total)

mnon:/D	Duo di Lot /Dire is d	Toolses	Mat	CCN	Cood Tak
Company/Brand	Product/Brand	Technol.	Mat.		Seed Trt
Anderson Anderson	206R2Y 217RXT	RR2Y RRX	2.0 2.1	R R	None ACi
Asgrow	AG2035 §	RR2Y	2.0	R	ACi
Cornelius	CB20R44	RR2Y	2.0	R	CMBV,IL
Cornelius	CB21X22	RRX	2.1	R	ACi
Cornelius	CB21A22 CB22R34	RR2Y	2.1	R	CMBV,IL
Dahlman	5721NRR2Y CK	RR2Y	2.1	R	None
Dairyland	DSR-2017/R2Y	RR2Y	2.1	R	CMB
=	DSR-2017/R21 DSR-2110/R2Y	RR2Y			CMB
Dairyland Dairyland			2.1	R	
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	CMB
Dyna-Gro	S20RY45	RR2Y	2.0	R	CCB
Dyna-Gro	S21XT77	RRX	2.1	R	ACi
Federal	F2170NR2X	RRX	2.1	R	None
Federal	F226NRR2Y	RR2Y	2.2	R	None
Hefty	H20X7	RRX	2.0	MR	
Hefty	H21X6	RRX	2.1	MR	
Hefty	H23X7	RRX	2.3	S	DST
Latham	L2084R2	RR2Y	2.0	R	CCB,Me
Latham	L2128R2	RR2Y	2.1	R	CCB,Me
Latham	L2184R2X	RRX	2.1	R	SS
Latham	L2228R2	RR2Y	2.2	R	CCB,Me
LG Seeds	C2126RX	RRX	2.1	R	CCB
LG Seeds	C2255R2	RR2Y	2.2	R	CCB
Mustang	21X127	RRX	2.1	R	ACi
NK Brand	S20-T6 §	RR2Y	2.0	MR	CCB,Me
NK Brand	S22-S1 §	RR2Y	2.2	R	CCB,Me
NorthStar	NS 2111NR2	RR2Y	2.1	R	CMBV
NorthStar	NS 2362NR2	RR2Y	2.3	R	CMBV
NorthStar	NS 62002NXR2	RRX	2.0	R	CMBV
NorthStar	NS 62332NXR2	RRX	2.3	R	CMBV
Pfister	21R201	RR2Y	2.1	R	CCB
Pfister	21R205	RR2Y	2.1	R	CCB
Pioneer	P22T69R §	RR	2.2	R	None
Pioneer	P22T73R §	RR	2.2	R	EE,G
Prairie Brand	PB-2024R2	RR2Y	2.1	R	
Prairie Brand	PB-2197R2	RR2Y	2.1	R	CCB,In
Prairie Brand	PB-2296R2	RR2Y	2.2	R	CCB,In
Prairie Brand	PB-2486R2	RR2Y	2.4	R	CCB,In
Renk	RS207NX	RRX	2.4	R	CMBV
Renk	RS213NR2	RR2Y	2.1	R	CMBV
Stine	20RD20 §	RR2Y	2.1	R	SFI
	-				
Titan Pro	TP-20R25	RR2Y	2.0	R	IS
Titan Pro	TP-21R55	RR2Y	2.1	R	IS Name
Titan Pro	TP-21X46	RRX	2.1	R	None
Viking	2055R2N	RR2Y	2.0	R	CMBV



Footnotes and Abbreviation Descriptions

Brand Footnotes

G2® brand seed is distributed by NuTech Seed, LLC. RPM® brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX® brand seed is distributed by Seed Consultants, Inc. VPMaxx® brand seed is distributed by AgVenture, Inc. XL® brand seed is distributed by Beck's Superior Hybrids. Curry®, G2®, HPT®, RPM®, Supreme EX®, VPMaxx® and XL® are registered trademarks of DuPont Pioneer.
 CK Identifies a check product included in early- and full-season tests.
 GC Grower Comparison product included by FIRST when space permits.
 § United Soybean Board sponsored entry

Soybean Technologies

LL	LibertyLink®
None	Conventional, non-GMO
Р	Plenish®
RR	glyphosate tolerant
RR2Y	Genuity® Roundup Ready 2 Yield®
RRX	Genuity® Roundup Ready 2 Xtend®
ST	sulfonylurea tolerant

Soybean Cyst Nematode (SCN) Resistance Rating

S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

Soybean Seed Treatments*

<u>.</u>			
n/a	info unavailable	IL	ILeVO®
AC	Acceleron® fungicide products	In	Intego™ Solo
ACi	Acceleron® fungicide and insecticide products	IS	Intego™ Suite
AG	ArmourGuard™	MAG	Maximum ArmourGuard™
AM	ApronMaxx®	Me	Mertect®
AVB	Avicta® Complete Beans	Mg	Magnum ST™ (standard)
CCB	Clariva™ Complete Beans	NCFI	N-Compass™ Plus F/I
Cl	Clariva™ pn	None	untreated
CMB	CruiserMaxx® Beans	PV	Poncho®/Votivo®
CMBV	CruiserMaxx® Beans with Vibrance	SDPI	Servo™ DPI
DPHB	DPH Boost®	SFI	Stine XP fungicide & insecticide
DST	Dominance™ ST	SS	Soyshield™
DX	Defend™ Extra	SS+	Soyshield Plus™
EE	Evergol™ Energy	SStd	SureStand™
En	Encase®	TE	Trius™ Elite
G	Gaucho®	WCX	Warden® CX
Gr+	Great Start™ Max Plus		

 $[\]ensuremath{^{*}}$ Seed treatments may include unspecified plant health promoting components.